Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

What is claimed is:

1. – 29.   (Cancelled)

30.   (Currently Amended)   An apparatus arranged for receiving an access request in a telecommunication core network (CN) from ~~an entity~~ a wireless local access network~~access server~~ (WLAN-AS) in [[an]] a wireless local access network (WLAN)~~where~~ the access request sent by a user equipment (UE) of a user ~~with a user's equipment (UE) accesses through~~, the user being a subscriber of the telecommunication CN and being identified by a user's identifier included in the access request, the apparatus having a means for carrying out an authentication procedure with the UE through ~~the access network (WLAN)~~ WLAN-AS in order to authenticate the user; and a means for computing at least one secret user's key (Kc) usable as cryptographic material, the apparatus comprising:

a means for deriving from the cryptographic material a user's shared key ~~(SSO_key-1)~~ intended for single sign on (SSO) purposes; and

a means for sending the user's shared key ~~(SSO_key-1)~~ along with the user's identifier towards a SSO session manager ~~(SSO_SM)~~ serving a service network (SN) of a mobile network operator (MNO) (MNO-SN).

31.   (Currently Amended) The apparatus of claim 30, further comprising means for being notified that a session at [[the]] an access level of the WLAN-AS has been established, this notification triggering the sending of the user's shared key ~~(SSO_key-1) towards the session manager (SSO_SM)~~ to a SSO session manager serving the ~~service network (SN)~~ MNO-SN.

32. (Currently Amended) The apparatus of claim 31, further comprising means for being notified that a session at the access level ~~of the~~ WLAN-AS has been terminated, and means for forwarding this notification ~~towards the session manager (SSO_SM)~~ to a SSO session manager serving the MNO-SN ~~service network (SN)~~ in order to inactivate a current master session for the user.

33.-45. (Canceled)

46. (Currently Amended) A ~~user's~~ user equipment (UE) usable by a user with a subscription in a telecommunication network, and arranged to access a ~~telecommunication~~ service network (SN) of a mobile network operator (MNO)(MNO-SN) through [[an]] a wireless local access network (WLAN), the ~~user's equipment (UE)~~ UE having means for carrying out an authentication procedure to authenticate the user with a core network (CN)~~, where the user holds the subscription,~~ through the ~~access network (WLAN)~~ WLAN access server (WLAN-AS) and means for computing at least one secret user's key [[(Kc)]] usable as cryptographic material, the ~~user's equipment~~ UE comprising:

a means for deriving from the cryptographic material a user's shared key ~~(SSO_key-2)~~ intended for single sign on (SSO) purposes;

a repository for storing the user's shared key ~~(SSO_key-2)~~; and

a means for confirming to a session manager of the MNO-SN the user's shared key ~~(SSO_key-2)~~ stored at the UE ~~user's equipment towards an entity (SAAN, SSO_SM) in the service network (SN)~~.

47. (Currently Amended) The ~~user's equipment~~ UE of claim 46, wherein the means for confirming the user's shared key to the session manager of the MNO-SN includes a means for downloading an SSO plug-in from ~~an entity (SAAN, SSO_SM) in the service network (SN)~~, the session manager of the MNO-SN, the SSO plug-in ~~running for confirming back~~ operable to confirm the user's shared key.

48.   (Currently Amended) The ~~user's equipment~~ UE of claim 46, wherein the means for confirming to a session manager of the MNO-SN the user's shared key includes a means for processing the user's shared key ~~(SSO_key-2)~~ to obtain a key code ~~(MAC(SSO_key-2))~~ to be transmitted to the session manager of the MNO-SN ~~an entity (SAAN, SSO_SM) in the service network (SN)~~.

49.   (Currently Amended) The ~~user's equipment~~ UE of claim 46, further comprising means for receiving an SSO cookie from ~~an entity (SAAN, SSO_SM) in the service network,~~ the session manager of the MNO-SN, the SSO cookie to be included in all further service requests from the ~~user's equipment~~ UE as an SSO token.

50.-58   (Cancelled)